

SEP 10 2009

I Claim:

1. [Withdrawn] A liquid seal means comprising of:
 - (a) a bent tube, preferably of U shape, such U-tube having one arm connected to the pipe collecting all the vented gas released from the plant and other arm connected to a liquid holder;
 - (b) a pipe, fitted with a non-return valve, connecting the bottom of the liquid holder to the bottom of the U-tube;
 - (c) the top of the liquid holder connected to the pipe leading to the flare stack; the U-tube and the liquid holder forming a structure so as to form the only passage available for the gas to escape from the plant to the flare stake; such gas escaping from the plant to the flare only when the liquid in the said U-tube has been completely displaced into the liquid holder due to the pressure applied by such escaping gas.
2. [Withdrawn] A liquid seal means as claimed in in claim 1 wherein the U-tube is provided with a drain, fitted with a valve, at the bottom of the said U-tube.
3. [Currently Amended] A device comprising of:
 - a U shaped liquid seal means wherein there is provided a piping connecting the tip of one arm of the U-tube top of the liquid holder;
 - the U-tube and the liquid holder forming a structure so as to form the only passage available for the gas to escape from the plant to the flare stack;
 - such gas escaping from the plant to the flare only when the liquid in the said U-tube has been completely displaced into the liquid holder due to the pressure applied by such escaping gas.
4. [Currently Amended] A device as claimed in claim 1 comprising of:
 - (a) a pipe means collecting all the gas vented from across the plant process carrying the said gas to knock out drum (KOD) means;
 - (b) a liquid seal means and piping blind means installed between the said KOD means and a flare stack means;
 - (c) a pipe means originating from between the said KOD means and the said liquid seal means carrying the gas to a recovery system means;



- (d) a pipe means collecting all the gas vented from across the second process and carrying such gas to a second KOD means;
- (e) a second liquid seal means and piping blind means installed between the said second KOD means and a second flaring means;
- (f) a second pipe means originating from between the said second KOD means and the second liquid seal means carrying the gas to the recovery means; such second pipe means provided with a restricted orifice to control the flow of gas from within it to the said recovery means.
5. [Original] A device as claimed in claim 4 wherein the said second liquid seal means is capable of withstanding higher pressure than the said first liquid seal means.
6. [Original] A device as claimed in claim 4 wherein there is a unitary gas recovery means for plurality of flaring systems.
7. [Withdrawn] A liquid seal means, constructed and arranged substantially as herein described, with reference to and as illustrated in the accompanying drawings.
8. [Withdrawn] A device for the recovery of gas, constructed and arranged substantially as herein described, with reference to and as illustrated in the accompanying drawings.

